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(74) Agent: COZEN O'CONNOR; 1900 Market Street, Philadelphia, PA 19103 (US).

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(71) Applicant (*for all designated States except US*): BAYER CORPORATION [US/US]; 511 Benedict Avenue, Tarrytown, NY 10591 (US).

(72) Inventors; and

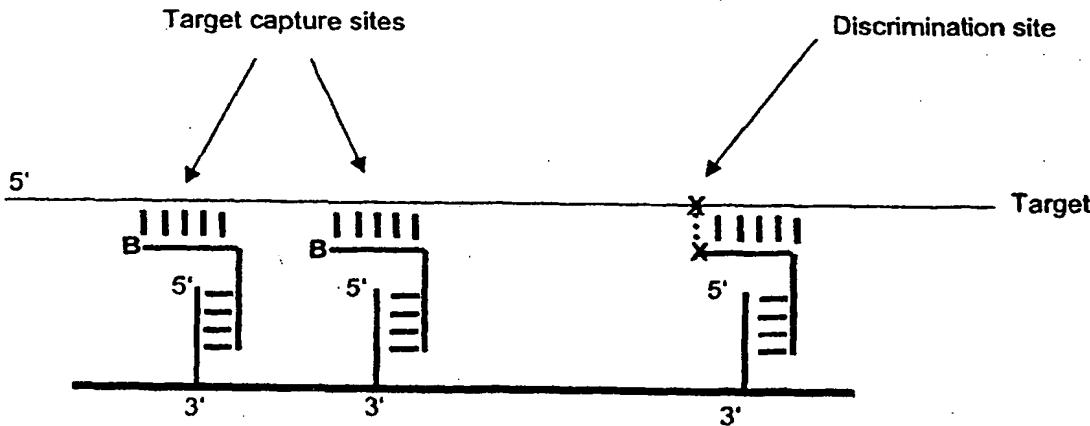
(75) Inventors/Applicants (*for US only*): WARNER, Brian [US/US]; 1034 Alhambra Avenue, Martinez, CA 94553 (US). QUINN, Jack [US/US]; 1876 Laurelview Court, Concord, CA 94521 (US). BURMEISTER, Jens [DE/DE]; An der Ruthen 5, 51051 Köln (DE). DORN, Ingmar [DE/DE]; Nordstrasse 49, 50733 Köln (DE). DIESSEL, Edgar [DE/DE]; Wolfskaul 3, 51061 Köln (DE).

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(54) Title: SOLID PHASE BASED NUCLEIC ACID ASSAYS COMBINING HIGH AFFINITY AND HIGH SPECIFICITY



B = blocked nucleotide

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(57) Abstract: The invention relates to methods for detection of nucleic acids on a solid phase, combining high affinity and high specificity. More particularly, the invention relates to methods combining high-affinity hybridization with highly specific enzymatic discrimination in solid phase based nucleic acid assays. This invention further relates to kits containing the reagents necessary for carrying out the disclosed assays.